

Work Order ID 129125

Wednesday, January 28, 2015 1:26:31 PM

129125

Ship Feb 20

Page 1

Item ID: D3800-1-100 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Hook And Loop Strip (1" Soft) *225 C/L 15/01/29*
 Start Date: 1/28/2015 Start Qty: ~~200.00~~ ***200*** Cust Item ID:
 Required Date: 1/28/2015 Req'd Qty: ~~200.00~~ ***200*** Customer:
 Reference:

Approvals: Process Plan: MCS Date: 15-01-28 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3800	Rev B								

100

100

Purchasing

Purchasing

PURCHASING

Memo

Issue P/O: 27273

Purchase Part Number: 9776K122 (5FT) , 9776K126(10FT) , 9776K18(15FT) ,
 9776K28(30FT) , 9776K131 (50FT), 9776K38(75FT), 9776K93(combination
 pack)

Supplier: McMASTER CARR

Certificate of conformity is required

0.00

0.00

C/L 15/01/29 225

110

110

Packaging

Packaging

Receive & Inspect for Damage & Mat'l Certs

Memo

Ensure Material Release Note is attached

0.00

0.00

225 Sp15-02-2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
--	--	---	--

Work Order ID 129125

Wednesday, January 28, 2015 1:26:31 PM

129125

Page 2

Item ID: D3800-1-100 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Hook And Loop Strip (1" Soft)
 Start Date: 1/28/2015 Start Qty: 200.00 ***200*** Cust Item ID:
 Required Date: 1/28/2015 Req'd Qty: 200.00 ***200*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- Inspect dimensions to drawing	0.00							DAS 38 9-89
120									
QC	Memo	0.00							
Quality Control									
130	Identify as per dwg & Stock Location: 5638	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

FEB 03 2015

225

FEB 09 2015

DAS
86
9-89

MLJ 15-02-09

ME
15-2-9

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
--	--	---	--

Picklist Print

Wednesday, January 28, 2015 1:26:37 PM

Page 1

Work Order ID: 129125

129125

Parent Item: D3800-1-100

D3800-1-100

Parent Item Name: Hook And Loop Strip (1" Soft)

Start Date: 1/28/2015

Required Date: 1/28/2015

Start Qty: 200.00

Required Qty: 200.00

Comments: IPP Rev:A 08-10-21 revB as per dwg DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

9776K131

Purchased

No

f

0.0000

9776K131

Flame retardent nylon Hook & Loop

200
225

SP15-02-2

9776K93

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

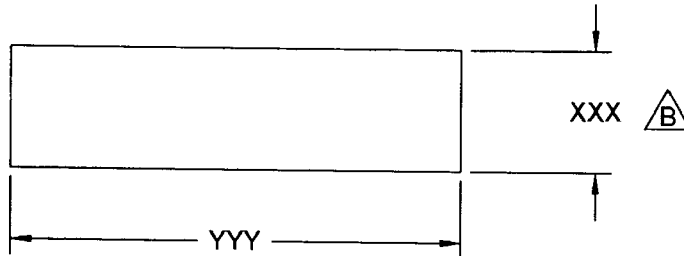
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
--	--	---	--

SPECIFICATION CONTROL DRAWING



DESCRIPTION: HOOK AND LOOP STRIP WITH ADHESIVE BACK

SPECIFICATION: D3800-1-XXX-YYY LOOP STRIP (ie. SOFT VELCRO STRIP)
D3800-3-XXX-YYY HOOK STRIP (ie. HARD VELCRO STRIP) B

WHERE 'XXX' IS WIDTH IN HUNDREDTHS OF AN INCH
AND 'YYY' IS LENGTH IN TENTHS OF AN INCH

EG. 1" WIDE BY 2.5" LONG LOOP STRIP = D3800-1-100-025
2" WIDE BY 10.0" LONG HOOK STRIP = D3800-3-200-100

PART NUMBER	WIDTH	PURCHASE
D3800-1-100-YYY LOOP STRIP	1.0	McMASTER CARR P/N: 9776K122, 9776K126, 9776K18, 9776K28, 9776K131, 9776K38
D3800-3-100-YYY HOOK STRIP	1.0	McMASTER CARR P/N: 9776K97, 9776K113, 9776K13, 9776K23, 9776K117, 9776K33
D3800-1-100-YYY & D3800-3-100-YYY (PURCHASED AS COMBINATION PACK)	1.0	McMASTER CARR P/N: 9776K72, 9776K76, 9776K79, 9776K84, 9776K88, 9776K93
D3800-1-200-YYY LOOP STRIP	2.0	McMASTER CARR P/N: 9776K123, 9776K127, 9776K19, 9776K29, 9776K132, 9776K39
D3800-3-200-YYY HOOK STRIP	2.0	McMASTER CARR P/N: 9776K98, 9776K114, 9776K14, 9776K24, 9776K118, 9776K34
D3800-1-200-YYY & D3800-3-200-YYY (PURCHASED AS COMBINATION PACK)	2.0	McMASTER CARR P/N: 9776K73, 9776K77, 9776K81, 9776K85, 9776K89, 9776K94

NOTES:

- 1) MATERIAL: WOVEN NYLON HOOK AND LOOP WITH ADHESIVE BACK
BEIGE COLOR
ACCEPTABLE SUPPLIERS PER ABOVE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

RELEASED
08-10-19-14

B	ADD 1" WIDTH OPTION, "XXX-YYY" WAS "XXX", ADD ADDITIONAL McMASTER PART NUMBERS	CP	08.09.09
A	NEW ISSUE	CP	08.06.18
REV.	DESCRIPTION	BY	DATE
DESIGN	GP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	GP		
CHECKED	PH	DRAWING NO.	REV. B
MFG. APPR.	EE	D3800	SHEET 1 OF 1
APPROVED	GP	TITLE	SCALE
DE APPR.	GP	HOOK AND LOOP STRIP	NTS
DATE	08.09.09	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

129125 MTS
50128

PAGE

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO27273

Purchase Order Date 1/29/2015

PO Print Date 1/29/2015

Page Number 4 of 4

Order From :

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via: Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

Line Total: \$18.24

Deliver To: IAN

10	9776K93	Flame retardent nylon Hook & Loop	2/2/2015	225.00	\$1.26	\$283.68
----	---------	--------------------------------------	----------	--------	--------	----------

Yes

Each

2/2/2015

AS PER DWG D3800 REV. B

B129125

B129126

SP15-02-2

Line Total: \$283.68

11	71401-45	PROCUREMENT QUALITY CLAUSES	2/2/2015	1.00	\$0.00	\$0.00
----	----------	--------------------------------	----------	------	--------	--------

No

2/2/2015

PROCUREMENT QUALITY CLAUSES
A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A025 CERTIFICATE OF CONFORMANCE
A040 NOTIFICATION OF QUALITY ESCAPE
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

Line Total: \$0.00

PO Total: \$584.86

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 1/29/2015

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO27273

Order Placed By
Chantal Lavoie

McMaster-Carr Number
6595326-01

Page 1 of 1

01/29/2015

Line	Product	Ordered	Shipped
4	4719A404 Sanding Sleeve, Multipurpose, 180 Grit, 1/2" Inside Diameter, 1" Long, Packs of 25, Jessie Your Part Number: 71500-11	8 Packs	5 ✓
10	9776K93 Flame-Retardant Hook and Loop, 1" W X 75' L, Adhesive Back, Beige, Lengths of 75	3 Lengths	1 ✓ <i>815-02-2</i>

Shipped separately from our Cleveland warehouse on 01/29

1	5105A63 Vise-Grip Plier Clamp, with Standard Tips & Fast-Release Grip, 2-1/8" Max Opening	2 Each	2
2	5369A47 Vise-Grip Locking Plier, 4-Piece Set, 6-1/2", 7" & 10" Sizes	1 Set	1
3	4650A22 Rubber Drum for Sanding Sleeve, Shank, 1/2" Diameter, 1" Long	4 Each	4
4	4719A404 Sanding Sleeve, Multipurpose, 180 Grit, 1/2" Inside Diameter, 1" Long	8 Packs	3
5	7510A655 Plastic Syringe, Manual, with Luer Lock Connection, 1.01 oz Capacity	6 Packs	6
6	7579A43 12 oz Empty Cartridge for, Single-Component Dispensing Gun	10 Each	10
7	7579A42 6 oz Empty Cartridge for, Single-Component Dispensing Gun	10 Each	10
8	7579A34 4" Long Round Nozzle with 1/16" Opening for, Single-Component Dispensing Gun	12 Each	12
9	7579A32 2-1/2" Long Round Nozzle with 1/8" Opening for, Single-Component Dispensing Gun	12 Each	12
10	9776K93 Flame-Retardant Hook and Loop, 1" W X 75' L, Adhesive Back, Beige	3 Lengths	2

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO27273

Order Placed By
Chantal Lavoie

McMaster-Carr Number
6595326-02

Page 1 of 1

01/29/2015

Line	Product	Ordered	Shipped
1	5105A63 Vise-Grip Plier Clamp, with Standard Tips & Fast-Release Grip, 2-1/8" Max Opening, 1an Your Part Number: 71500-20	2 Each	2
2	5369A47 Vise-Grip Locking Plier, 4-Piece Set, 6-1/2", 7" & 10" Sizes, 1an Your Part Number: 71500-20	1 Set	1
3	4650A22 Rubber Drum for Sanding Sleeve, Shank, 1/2" Diameter, 1" Long, Jessie Your Part Number: 71500-11	4 Each	4
4	4719A404 Sanding Sleeve, Multipurpose, 180 Grit, 1/2" Inside Diameter, 1" Long, Packs of 25, Jessie Your Part Number: 71500-11	8 Packs	3 ✓
5	7510A655 Plastic Syringe, Manual, with Luer Lock Connection, 1.01 oz Capacity, Packs of 5, 1an Your Part Number: 71500-20	6 Packs	6
6	7579A43 12 oz Empty Cartridge for, Single-Component Dispensing Gun, 1an Your Part Number: 71500-20	10 Each	10
7	7579A42 6 oz Empty Cartridge for, Single-Component Dispensing Gun, 1an Your Part Number: 71500-20	10 Each	10
8	7579A34 4" Long Round Nozzle with 1/16" Opening for, Single-Component Dispensing Gun, 1an Your Part Number: 71500-20	12 Each	12
9	7579A32 2-1/2" Long Round Nozzle with 1/8" Opening for, Single-Component Dispensing Gun, 1an Your Part Number: 71500-20	12 Each	12
10	<u>9776K93</u> Flame-Retardant Hook and Loop, 1" W X 75' L, Adhesive Back, Beige, Lengths of 75	3 Lengths	2

Shipped separately from our New Jersey warehouse on 01/29

4	4719A404 Sanding Sleeve, Multipurpose, 180 Grit, 1/2" Inside Diameter, 1" Long	8 Packs	5
10	9776K93 Flame-Retardant Hook and Loop, 1" W X 75' L, Adhesive Back, Beige	3 Lengths	1